

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER  
**NEX01**

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

**10/519505**INTERNATIONAL APPLICATION NO.  
**PCT/DK2003/000448**INTERNATIONAL FILING DATE  
**June 27, 2003**PRIORITY CLAIMED  
**June 27, 2002**

TITLE OF INVENTION

**DISEASE RISK ESTIMATING METHOD USING SEQUENCE POLYMORPHISMS IN A  
SPECIFIC REGION OF CHROMOSOME 19**

APPLICANT(S) FOR DO/EO/US  
**Bjorn NEXØ et al.**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) as soon as the application is in order for such purpose and the applicable requirements of 35 U.S.C. 371(c) have been complied with.
4. ☒ The US has been elected (Art 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☒ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An Assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable sequence form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)
20. ☒ Other items or information:
  - ☒ Courtesy copy of the International Application as filed.
  - ☒ Courtesy copy of the first page of the International Publication (WO 2002/003229 A2).
  - ☒ Courtesy copy of the International Preliminary Examination Report. Annexes are attached, but are not to be used for initial examination in this case.
  - ☒ Formal drawings, 4 sheets, Figures 1-4.
  - ☒ Paper copy only of Sequence Listing.
  - ☒ Courtesy Copy of the International Search Report.
  - ☒ The application is (or will be) assigned to:

**AARHUS UNIVERSITET** whose address is Nordre Ringgade 1, DK-8000 Århus C, Denmark  
And  
**Arbejdsmiljøinstituttet** (National Institute of Occupational Health) whose address is  
Lerse Parkallé 105, DK-2100 Copenhagen Ø.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		International Application No.		Attorney's Docket No.	
10/519505		PCT/DK2003/000448		NEX01	
21. The following fees are submitted:  [xx] a) BASIC FILING FEE.....\$300.00 [xx] b) EXAMINATION FEE.....\$200.00 [xx] c) SEARCH FEE.....\$500.00  <b>TOTAL OF ABOVE CALCULATIONS :</b> \$1,000.00				<b>CALCULATIONS PTO USE ONLY</b>	
[xx] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof					
TOTAL SHEETS	EXTRA SHEETS	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
145 - 100	45 /50	1	X \$250.00	\$250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(c)).					
CLAIMS		Number Filed	Number Extra	Rate	
Total Claims		39 - 20 =		X \$ 50.00	\$ deferred
Independent Claims		4 - 3 =		X \$200.00	\$ deferred
Multiple Dependent Claims (if applicable)				+ \$360.00	\$ deferred
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,250.00	
Reduction of 1/2 for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27.				\$625.00	
<b>SUBTOTAL =</b>				\$625.00	
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$625.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$625.00	
				Amount to be:	\$
				refunded	\$
				charged	\$

a. [ ] A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.

b. [X] Credit Card Payment Form (PTO-2038), authorizing payment in the amount of \$625.00, is attached. At this time no authorization is given to charge any additional fees relating to extra claims, etc. However, if a deficiency exists in the basic filing fee, i.e. the fee necessary to prevent abandonment of this application, please charge said deficiency in the filing fee to Deposit Account No. 02-4035.

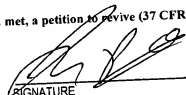
c. [ ] Please charge my Deposit Account No. 02-4035 in the amount of \$\_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

d. [ ] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4035. A duplicate copy of this sheet is enclosed.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

Direct all correspondence to the address associated with CUSTOMER NUMBER 001444, which is currently:

**BROWDY AND NEIMARK, P.L.L.C.**  
 624 NINTH STREET, N.W., SUITE 300  
 WASHINGTON, D.C. 20001  
 TEL: (202) 628-5197  
 FAX: (202) 737-3528  
 Date of this submission: **Monday, December 27, 2004**

  
 SIGNATURE  
 Iver P. Cooper  
 NAME  
 28,005  
 REGISTRATION NUMBER

IPC:lmh